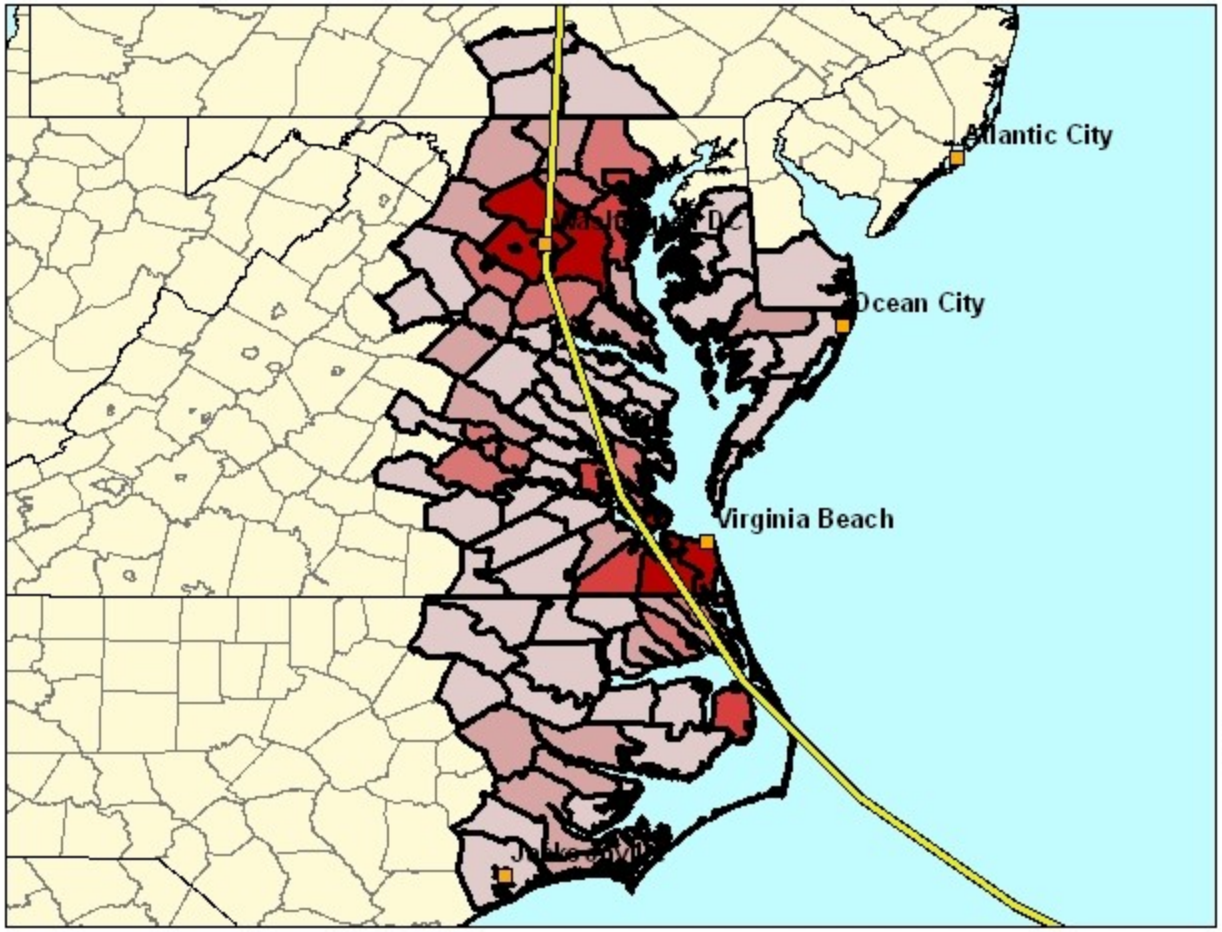
US Army Corps of Engineers

Hurricane Noname 1933 Debris Model

Landfall Plus About 12 Hours

For Official Use Only!



Post Landfall Debris Model Results

VA - 20,807,000 Yards
MD - 6,271,000 Yards
NC - 2,919,000 Yards
DC - 1,390,000 Yards
PA - 255,000 Yards
DE - 4,000 Yards

Model results per County on following page

This model is based on a Category 3 storm making landfall on the Outer Banks, NC.

Historic Track

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 3 storm making landfall on the Outer Banks, NC. These projections are based on information from the NHC (0830 EDT 09/18/2007) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Noname 1933 Debris Model

Generated By:
Siemsen, LRL 0900 EDT 09/18/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Noname 1933 Debris Model

Landfall Plus About 12 Hours

For Official Use Only!

State	Yards per State	County	Yards per County
Delaware		Sussex	4,000
Delaware	4,000		
District of Columbia		Washington	1,390,000
District of Columbia	1,390,000		
Maryland		Anne Arundel	711,000
		Baltimore	461,000
		Baltimore City	661,000
		Calvert	109,000
		Caroline	2,000
		Carroll	180,000
		Charles	369,000
		Dorchester	44,000
		Frederick	144,000
		Howard	372,000
		Montgomery	1,386,000
		Prince Georges	1,388,000
		Queen Annes	23,000
		Somerset	29,000
		St Marys	223,000
		Talbot	44,000
		Wicomico	102,000
		Worcester	23,000
Maryland	6,271,000		
North Carolina		Beaufort	110,000
		Bertie	64,000
		Camden	158,000
		Carteret	129,000
		Chowan	80,000

State	Yards per State	County	Yards per County
North Carolina		Craven	133,000
(continued)		Currituck	393,000
		Dare	645,000
		Edgecombe	4,000
		Gates	75,000
		Halifax	11,000
		Hertford	67,000
		Hyde	74,000
		Jones	10,000
		Martin	38,000
		Northampton	24,000
		Onslow	19,000
		Pamlico	35,000
		Pasquotank	465,000
		Perquimans	113,000
		Pitt	144,000
		Tyrrell	61,000
		Washington	67,000
North Carolina	2,919,000		
Pennsylvania		Adams	85,000
		Cumberland	72,000
		York	98,000
Pennsylvania	255,000		
Virginia		Accomack	73,000
		Alexandria	494,000
		Amelia	< 1,000
		Arlington	678,000

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

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Hurricane Noname 1933 Debris Model

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Sources:
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LRL-DEBRIS

US Army Corps of Engineers

Hurricane Noname 1933 Debris Model

Landfall Plus About 12 Hours

For Official Use Only!

State	Yards per State	County	Yards per County
Virginia		Caroline	48,000
(continued)		Charles City	21,000
		Chesapeake	2,206,000
		Chesterfield	333,000
		Colonial Hghts Cty	27,000
		Culpeper	< 1,000
		Dinwiddie	29,000
		Emporia City	8,000
		Essex	32,000
		Fairfax	2,162,000
		Fairfax City	41,000
		Falls Church	36,000
		Fauquier	4,000
		Franklin City	24,000
		Fredericksburg	30,000
		Gloucester	316,000
		Goochland	2,000
		Greensville	9,000
		Hampton City	1,258,000
		Hanover	106,000
		Henrico	416,000
		Hopewell City	35,000
		Isle Of Wight	236,000
		James City	507,000
		King And Queen	46,000
		King George	48,000
		King William	59,000
		Lancaster	39,000
		Loudoun	231,000
		Manassas City	45,000
		Manassas Park	14,000

State	Yards per State	County	Yards per County
Virginia		Mathews	87,000
(continued)		Middlesex	98,000
		New Kent	56,000
		Newport News	1,644,000
		Norfolk City	2,025,000
		Northampton	68,000
		Northumberland	39,000
		Petersburg	47,000
		Poquoson City	92,000
		Portsmouth	925,000
		Prince George	45,000
		Prince William	466,000
		Richmond	21,000
		Richmond City	305,000
		Southampton	45,000
		Spotsylvania	104,000
		Stafford	130,000
		Suffolk City	581,000
		Surry	44,000
		Sussex	29,000
		Virginia Beach	3,737,000
		Westmoreland	48,000
		Williamsburg	85,000
		York	473,000
Virginia	20,807,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

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Hurricane Noname 1933 Debris Model

Generated By:
Siemsen, LRL 0900 EDT 09/18/2007

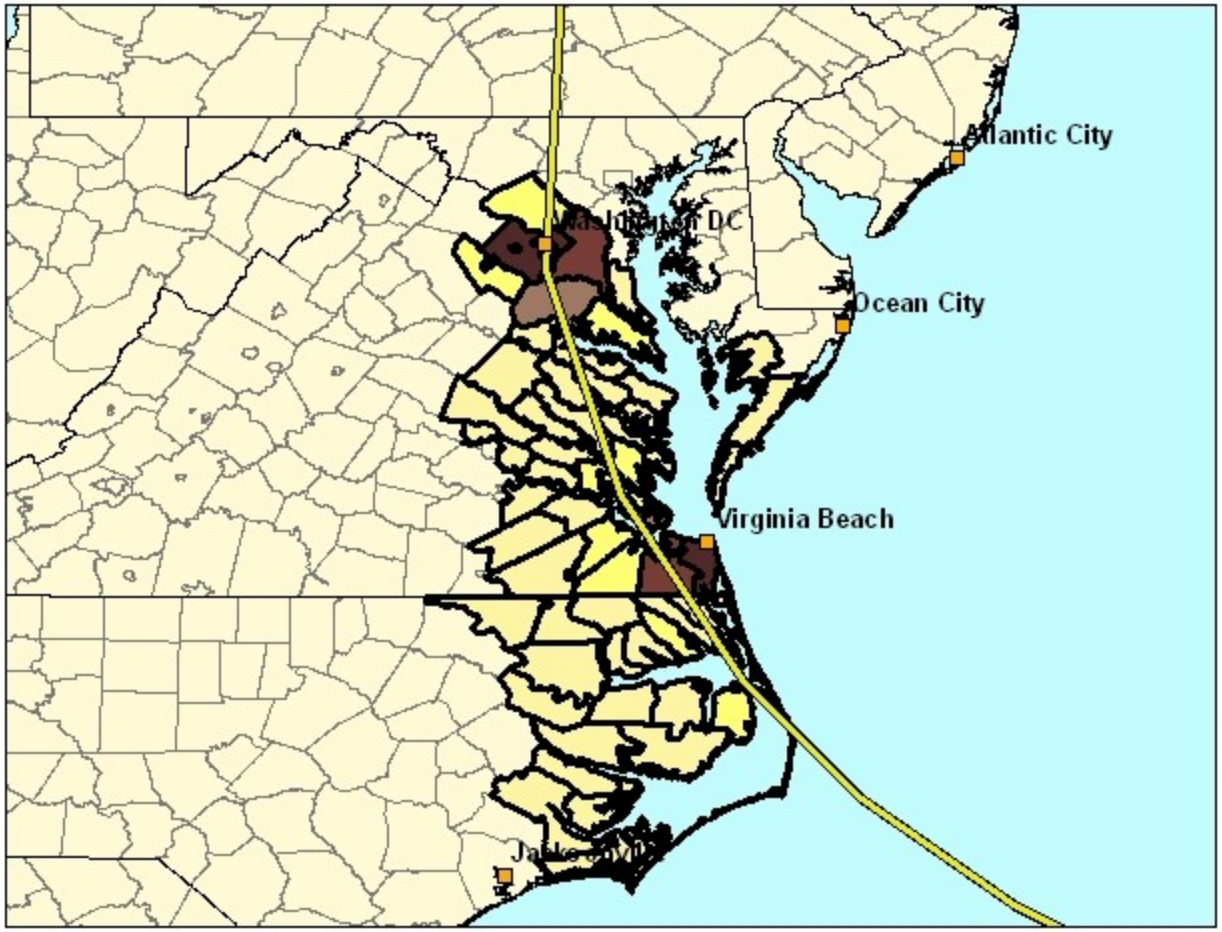
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Noname 1933 Population Model

Landfall Plus About 12 Hours

For Official Use Only!



Post Landfall Population Model Results

Virginia - 2,898,000
District of Columbia - 531,000
Maryland - 512,000
North Carolina - 271,000

Model results per County on following page

This model is based on a Category 3 storm making landfall on the Outer Banks, NC.

Historic Track

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 3 storm making landfall on the Outer Banks, NC. These projections are based on information from the NHC (0830 EDT 09/18/2007) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2006 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Noname 1933 Population Model	
Generated By: Siemsen, LRL 0900 EDT 09/18/2007	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Noname 1933 Population Model

Landfall Plus About 12 Hours

For Official Use Only!

State	Population per State	County	Population per County
District of Columbia		Washington	531,000
District of Columbia	531,000		
Maryland		Calvert	< 1,000
		Charles	140,000
		Montgomery	82,000
		Prince Georges	205,000
		Somerset	< 1,000
		St Marys	85,000
Maryland	512,000		
North Carolina		Beaufort	17,000
		Bertie	16,000
		Camden	10,000
		Carteret	25,000
		Chowan	15,000
		Craven	5,000
		Currituck	24,000
		Dare	34,000
		Gates	12,000
		Hertford	22,000
		Hyde	6,000
		Martin	4,000
		Northampton	< 1,000
		Pamlico	9,000
		Pasquotank	40,000
		Perquimans	13,000
		Tyrrell	5,000
		Washington	14,000
North Carolina	271,000		

State	Population per State	County	Population per County
Virginia		Accomack	17,000
		Alexandria	138,000
		Arlington	201,000
		Caroline	3,000
		Charles City	7,000
		Chesapeake	221,000
		Essex	11,000
		Fairfax	628,000
		Fairfax City	7,000
		Falls Church	11,000
		Franklin City	9,000
		Gloucester	39,000
		Hampton City	146,000
		Hanover	6,000
		Henrico	5,000
		Isle Of Wight	35,000
		James City	60,000
		King And Queen	7,000
		King George	18,000
		King William	14,000
		Lancaster	12,000
		Mathews	10,000
		Middlesex	11,000
		New Kent	17,000
		Newport News	179,000
		Norfolk City	229,000
		Northampton	14,000
		Northumberland	13,000
		Poquoson City	12,000

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
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Hurricane Noname 1933 Population Model

Generated By:
Siemsen, LRL 0900 EDT 09/18/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Noname 1933 Population Model

Landfall Plus About 12 Hours

For Official Use Only!

State	Population per State	County	Population per County
Virginia		Portsmouth	102,000
(continued)		Prince George	11,000
		Prince William	57,000
		Richmond	10,000
		Southampton	13,000
		Suffolk City	82,000
		Surry	8,000
		Sussex	7,000
		Virginia Beach	436,000
		Westmoreland	18,000
		Williamsburg	12,000
		York	62,000
Virginia	2,898,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

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Hurricane Noname 1933 Population Model

Generated By:
Siemsen, LRL 0900 EDT 09/18/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Noname 1933 Households Model

Landfall Plus About 12 Hours

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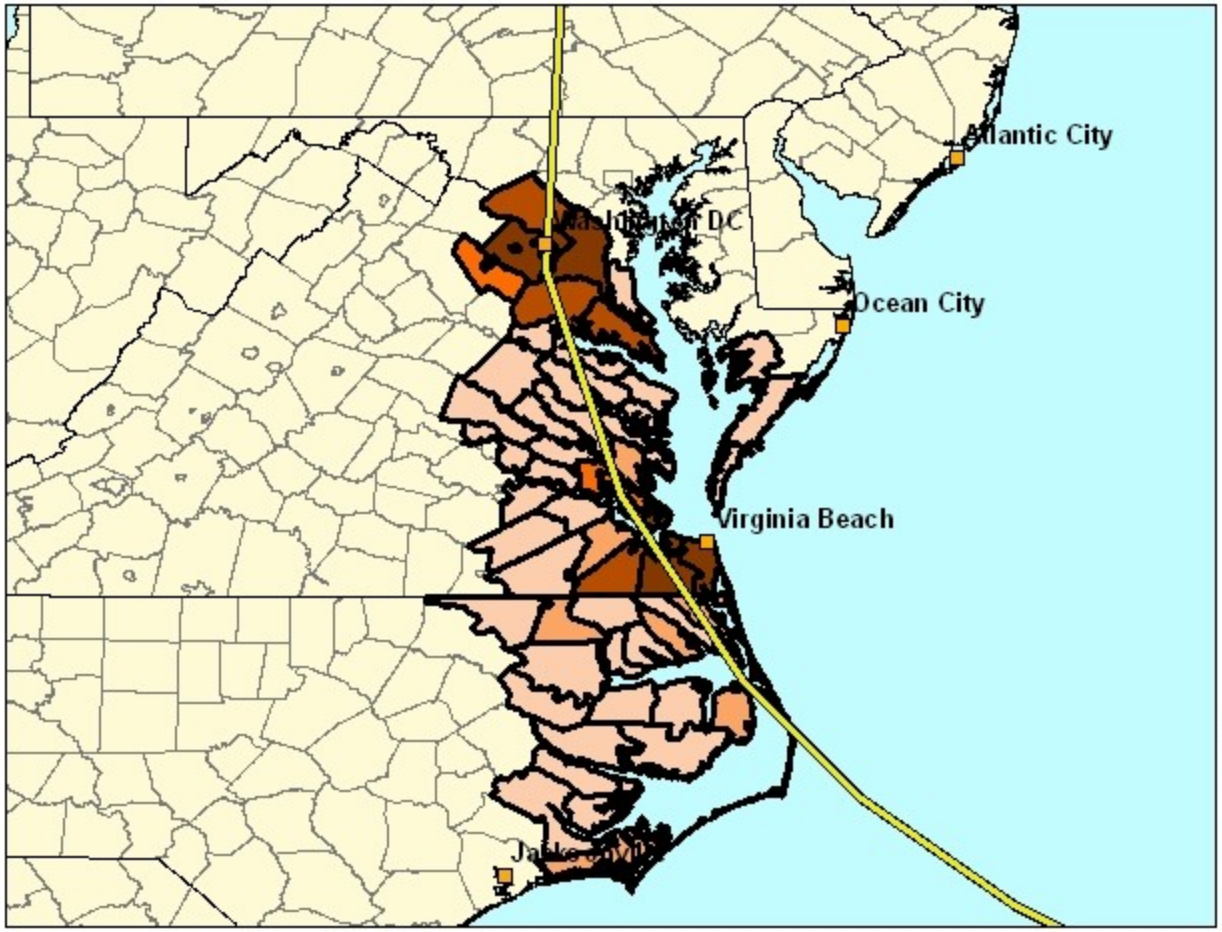

Post Landfall Households Model Results

Virginia - 1,116,000
District of Columbia - 232,000
Maryland - 189,000
North Carolina - 114,000

Model results per County on following page

This model is based on a Category 3 storm making landfall on the Outer Banks, NC.

Historic Track

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 3 storm making landfall on the Outer Banks, NC. These projections are based on information from the NHC (0830 EDT 09/18/2007) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2006 values).

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Hurricane Noname 1933 Households Model	
Generated By: Siemsen, LRL 0900 EDT 09/18/2007	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Noname 1933 Households Model

Landfall Plus About 12 Hours

For Official Use Only!

State	Households per State	County	Households per County
District of Columbia		Washington	232,000
District of Columbia	232,000		
Maryland		Calvert	< 1,000
		Charles	49,000
		Montgomery	35,000
		Prince Georges	75,000
		Somerset	< 1,000
		St Marys	30,000
Maryland	189,000		
North Carolina		Beaufort	7,000
		Bertie	7,000
		Camden	4,000
		Carteret	11,000
		Chowan	6,000
		Craven	2,000
		Currituck	10,000
		Dare	15,000
		Gates	5,000
		Hertford	9,000
		Hyde	3,000
		Martin	2,000
		Northampton	< 1,000
		Pamlico	4,000
		Pasquotank	15,000
		Perquimans	6,000
		Tyrrell	2,000
		Washington	6,000
North Carolina	114,000		

State	Households per State	County	Households per County
Virginia		Accomack	7,000
		Alexandria	67,000
		Arlington	92,000
		Caroline	2,000
		Charles City	3,000
		Chesapeake	78,000
		Essex	5,000
		Fairfax	231,000
		Fairfax City	3,000
		Falls Church	5,000
		Franklin City	4,000
		Gloucester	15,000
		Hampton City	54,000
		Hanover	2,000
		Henrico	2,000
		Isle Of Wight	14,000
		James City	24,000
		King And Queen	3,000
		King George	7,000
		King William	5,000
		Lancaster	5,000
		Mathews	4,000
		Middlesex	5,000
		New Kent	7,000
		Newport News	69,000
		Norfolk City	85,000
		Northampton	6,000
		Northumberland	6,000
		Poquoson City	5,000

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

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Hurricane Noname 1933 Households Model

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Sources:
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LRL-DEBRIS

US Army Corps of Engineers

Hurricane Noname 1933 Households Model

Landfall Plus About 12 Hours

For Official Use Only!

State	Households per State	County	Households per County
Virginia		Portsmouth	39,000
(continued)		Prince George	4,000
		Prince William	20,000
		Richmond	4,000
		Southampton	5,000
		Suffolk City	30,000
		Surry	3,000
		Sussex	3,000
		Virginia Beach	159,000
		Westmoreland	8,000
		Williamsburg	4,000
		York	22,000
Virginia	1,116,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

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Hurricane Noname 1933 Households Model

Generated By:
Siemsen, LRL 0900 EDT 09/18/2007

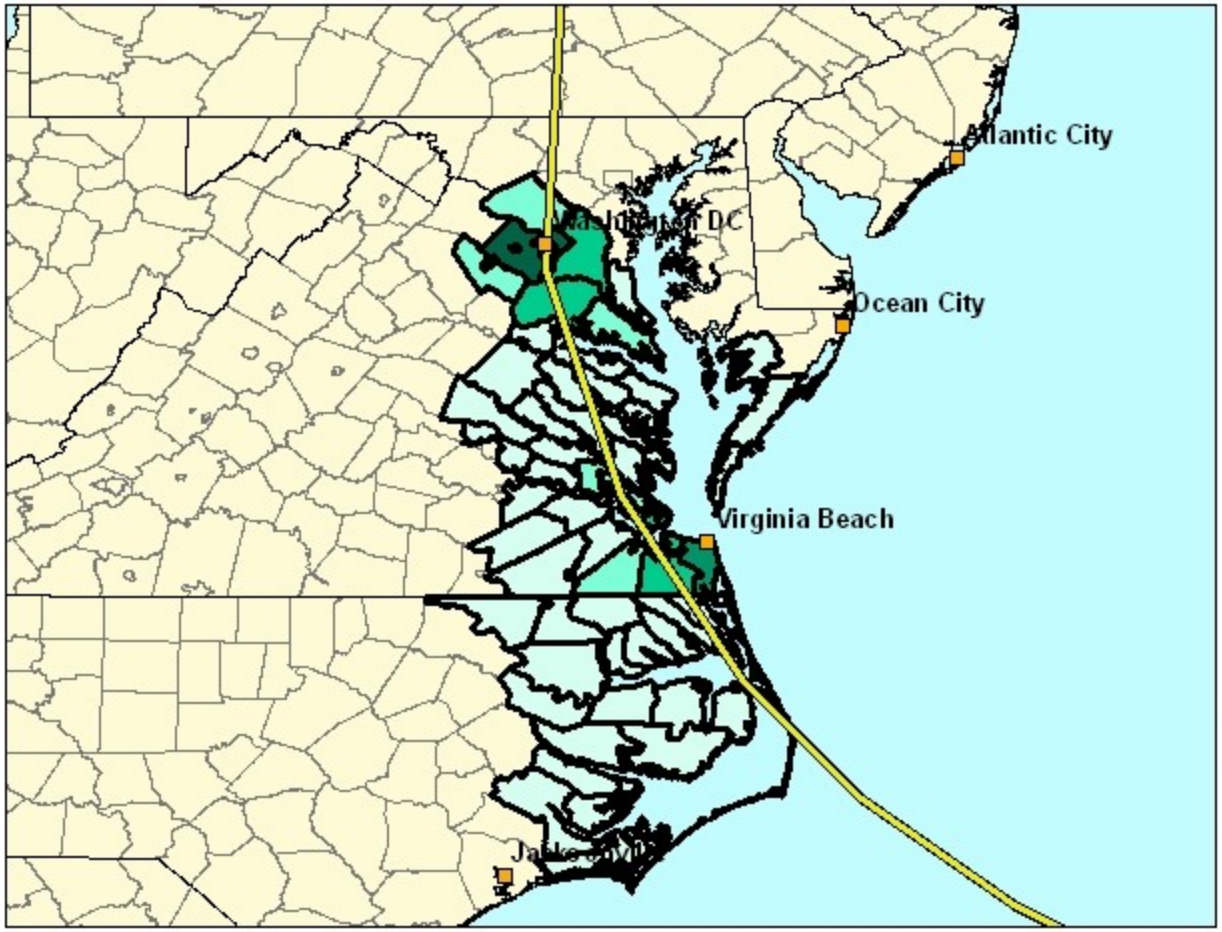
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Noname 1933 Commodities Model

Landfall Plus About 12 Hours

For Official Use Only!



Post Landfall Ice/Water Model Results

Day One / Day Two / Day Three

VA – 63/125/250 Truckloads
MD – 12/23/45 Truckloads
DC – 11/22/43 Truckloads
NC – 8/15/30 Truckloads

Model results per County on following page

This model is based on a Category 3 storm making landfall on the Outer Banks, NC.

Historic Track

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 3 storm making landfall on the Outer Banks, NC. These projections are based on information from the NHC ***(0830 EDT 09/18/2007)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents single day needs with full distribution system in place and operating.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Noname 1933 Commodities Model	
Generated By: Siemsen, LRL 0900 EDT 09/18/2007	
Sources: HURREVAC LRL-DEBRIS	Page 10 of 18

US Army Corps of Engineers

Hurricane Noname 1933 Commodities Model

Landfall Plus About 12 Hours

For Official Use Only!

State	Truckloads per State	County	Truckloads per County
District of Columbia		Washington	43
District of Columbia	43		
Maryland		Calvert	1
		Charles	12
		Montgomery	7
		Prince Georges	17
		Somerset	1
		St Marys	7
Maryland	45		
North Carolina		Beaufort	2
		Bertie	2
		Camden	1
		Carteret	2
		Chowan	2
		Craven	1
		Currituck	2
		Dare	3
		Gates	1
		Hertford	2
		Hyde	1
		Martin	1
		Northampton	1
		Pamlico	1
		Pasquotank	4
		Perquimans	1
		Tyrrell	1
		Washington	2
North Carolina	30		

State	Truckloads per State	County	Truckloads per County
Virginia		Accomack	2
		Alexandria	12
		Arlington	17
		Caroline	1
		Charles City	1
		Chesapeake	18
		Essex	1
		Fairfax	51
		Fairfax City	1
		Falls Church	1
		Franklin City	1
		Gloucester	4
		Hampton City	12
		Hanover	1
		Henrico	1
		Isle Of Wight	3
		James City	5
		King And Queen	1
		King George	2
		King William	2
		Lancaster	1
		Mathews	1
		Middlesex	1
		New Kent	2
		Newport News	15
		Norfolk City	19
		Northampton	2
		Northumberland	2
		Poquoson City	1

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Noname 1933 Commodities Model

Generated By:
Siemsen, LRL 0900 EDT 09/18/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Noname 1933 Commodities Model

Landfall Plus About 12 Hours

For Official Use Only!

State	Truckloads per State	County	Truckloads per County
Virginia		Portsmouth	9
(continued)		Prince George	1
		Prince William	5
		Richmond	1
		Southampton	1
		Suffolk City	7
		Surry	1
		Sussex	1
		Virginia Beach	35
		Westmoreland	2
		Williamsburg	1
		York	5
Virginia	250		

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

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Hurricane Noname 1933 Commodities Model

Generated By:
Siemsen, LRL 0900 EDT 09/18/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Noname 1933 Temp Housing Model

Landfall Plus About 12 Hours

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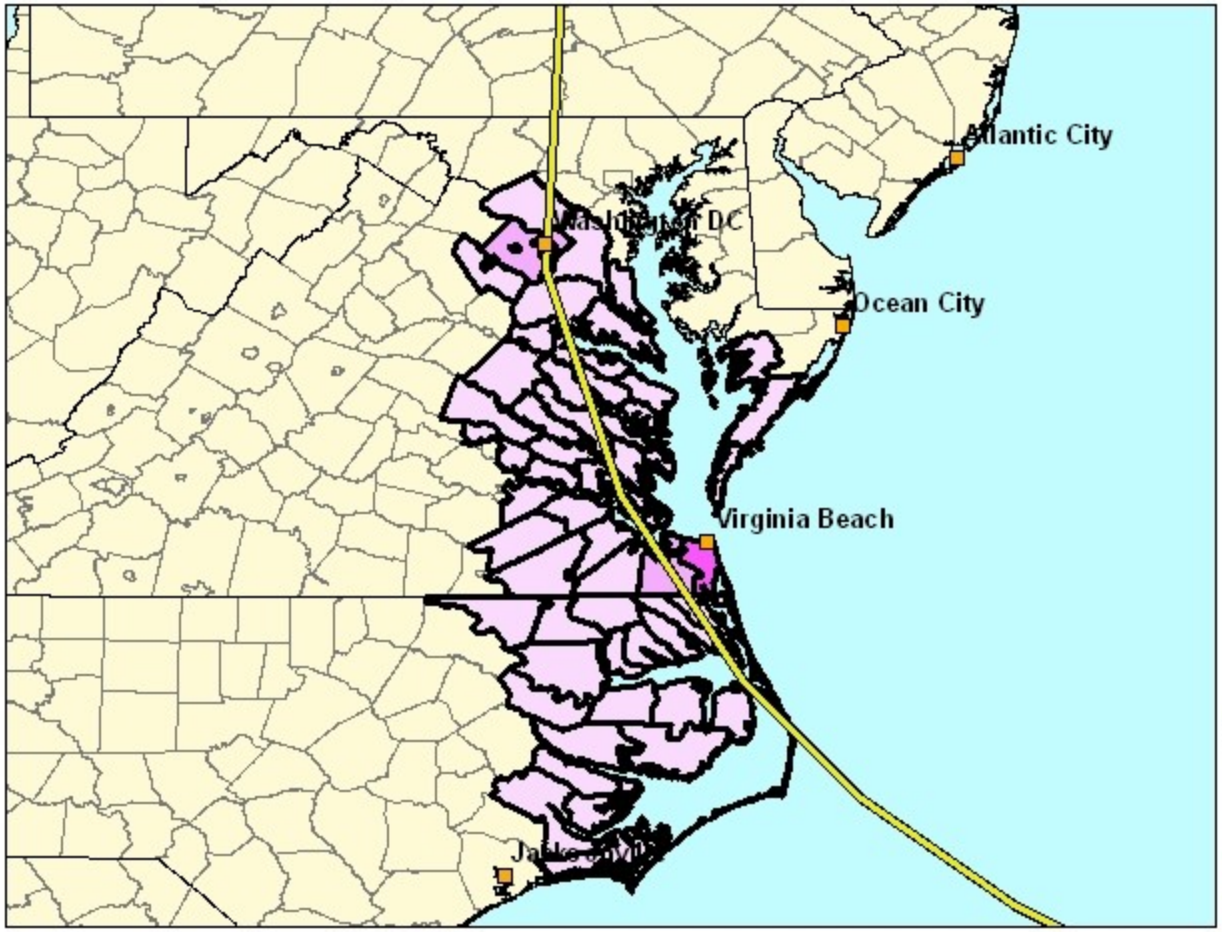

Post Landfall Temporary Housing Model Results

Virginia - 23,700
North Carolina - 2,700
District of Columbia - 2,400
Maryland - 2,000

Model results per County on following page

This model is based on a Category 3 storm making landfall on the Outer Banks, NC.

Historic Track

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall on the Outer Banks, NC. These projections are based on information from the NHC (0830 EDT 09/18/2007) forecast. Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Noname 1933 Housing Model	
Generated By: Siemsen, LRL 0900 EDT 09/18/2007	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Noname 1933 Temp Housing Model

Landfall Plus About 12 Hours

For Official Use Only!

State	House Units per State	County	House Units per County
District of Columbia		Washington	2,400
District of Columbia	2,400		
Maryland		Calvert	< 100
		Charles	500
		Montgomery	400
		Prince Georges	800
		Somerset	< 100
		St Marys	300
Maryland	2,000		
North Carolina		Beaufort	< 100
		Bertie	< 100
		Camden	200
		Carteret	200
		Chowan	200
		Craven	< 100
		Currituck	500
		Dare	800
		Gates	< 100
		Hertford	< 100
		Hyde	< 100
		Martin	< 100
		Northampton	< 100
		Pamlico	< 100
		Pasquotank	600
		Perquimans	200
		Tyrrell	< 100
		Washington	< 100
North Carolina	2,700		

State	House Units per State	County	House Units per County
Virginia		Accomack	< 100
		Alexandria	700
		Arlington	1,000
		Caroline	< 100
		Charles City	< 100
		Chesapeake	2,800
		Essex	< 100
		Fairfax	2,400
		Fairfax City	< 100
		Falls Church	< 100
		Franklin City	< 100
		Gloucester	500
		Hampton City	1,700
		Hanover	< 100
		Henrico	< 100
		Isle Of Wight	400
		James City	700
		King And Queen	< 100
		King George	< 100
		King William	< 100
		Lancaster	< 100
		Mathews	200
		Middlesex	200
		New Kent	< 100
		Newport News	2,100
		Norfolk City	2,600
		Northampton	200
		Northumberland	< 100
		Poquoson City	200

Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

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or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Noname 1933 Housing Model

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Siemsen, LRL 0900 EDT 09/18/2007

Sources:
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LRL-DEBRIS

US Army Corps of Engineers

Hurricane Noname 1933 Temp Housing Model

Landfall Plus About 12 Hours

For Official Use Only!

State	House Units per State	County	House Units per County
Virginia		Portsmouth	1,200
(continued)		Prince George	< 100
		Prince William	200
		Richmond	< 100
		Southampton	< 100
		Suffolk City	900
		Surry	< 100
		Sussex	< 100
		Virginia Beach	4,800
		Westmoreland	< 100
		Williamsburg	200
		York	700
Virginia	23,700		

Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Noname 1933 Housing Model

Generated By:
Siemsen, LRL 0900 EDT 09/18/2007

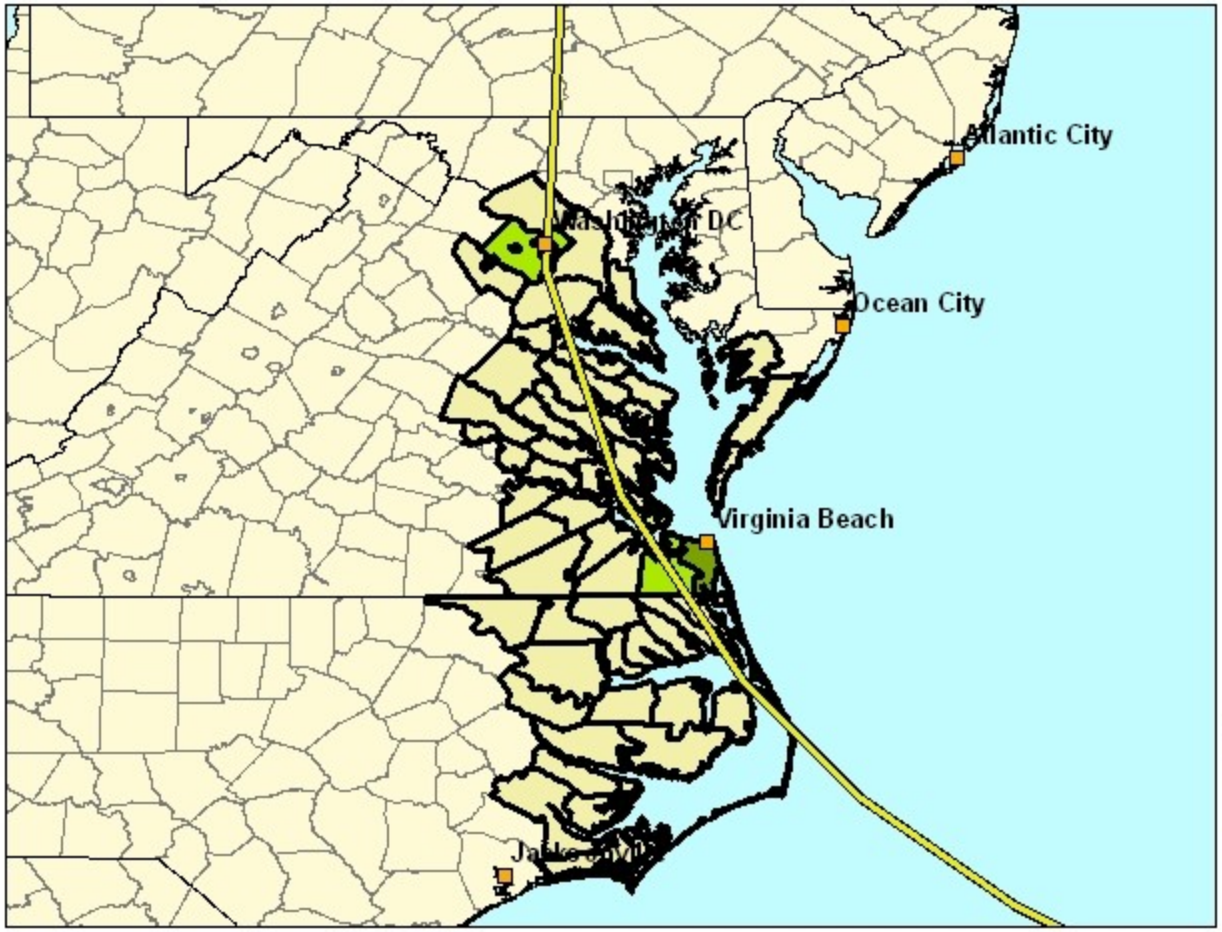
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Noname 1933 Temp Roofing Model

Landfall Plus About 12 Hours

For Official Use Only!



Post Landfall Temporary Roofing Model Results

Virginia - 41,400
North Carolina - 5,200
District of Columbia - 4,700
Maryland - 3,800

Model results per County on following page

This model is based on a Category 3 storm making landfall on the Outer Banks, NC.

Historic Track

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall on the Outer Banks, NC. These projections are based on information from the NHC (0830 EDT 09/18/2007) forecast. Temporary roofing is based on 2% in CAT 1, 5% in CAT 2 and 8% in CAT 3.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Noname 1933 Roofing Model	
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Sources: HURREVAC LRL-DEBRIS	Page 16 of 18

US Army Corps of Engineers

Hurricane Noname 1933 Temp Roofing Model

Landfall Plus About 12 Hours

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State	House Units per State	County	House Units per County
District of Columbia		Washington	4,700
District of Columbia	4,700		
Maryland		Calvert	< 100
		Charles	1,000
		Montgomery	700
		Prince Georges	1,500
		Somerset	< 100
		St Marys	600
Maryland	3,800		
North Carolina		Beaufort	200
		Bertie	200
		Camden	300
		Carteret	300
		Chowan	300
		Craven	< 100
		Currituck	800
		Dare	1,200
		Gates	200
		Hertford	200
		Hyde	< 100
		Martin	< 100
		Northampton	< 100
		Pamlico	< 100
		Pasquotank	1,000
		Perquimans	300
		Tyrrell	< 100
		Washington	200
North Carolina	5,200		

State	House Units per State	County	House Units per County
Virginia		Accomack	200
		Alexandria	1,400
		Arlington	1,900
		Caroline	< 100
		Charles City	< 100
		Chesapeake	4,600
		Essex	< 100
		Fairfax	4,700
		Fairfax City	< 100
		Falls Church	< 100
		Franklin City	< 100
		Gloucester	800
		Hampton City	2,700
		Hanover	< 100
		Henrico	< 100
		Isle Of Wight	700
		James City	1,200
		King And Queen	< 100
		King George	200
		King William	200
		Lancaster	200
		Mathews	200
		Middlesex	300
		New Kent	200
		Newport News	3,500
		Norfolk City	4,300
		Northampton	200
		Northumberland	200
		Poquoson City	300

Temporary roofing is based on 2% in CAT 1, 5% in CAT 2 and 8% in CAT 3.

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Hurricane Noname 1933 Roofing Model

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US Army Corps of Engineers

Hurricane Noname 1933 Temp Roofing Model

Landfall Plus About 12 Hours

For Official Use Only!

State	House Units per State	County	House Units per County
Virginia		Portsmouth	2,000
(continued)		Prince George	< 100
		Prince William	400
		Richmond	< 100
		Southampton	< 100
		Suffolk City	1,500
		Surry	< 100
		Sussex	< 100
		Virginia Beach	8,000
		Westmoreland	200
		Williamsburg	200
		York	1,100
Virginia	41,400		

Temporary roofing is based on 2% in CAT 1, 5% in CAT 2 and 8% in CAT 3.

Details about this model may be obtained at http://www.englink.usace.army.mil
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Hurricane Noname 1933 Roofing Model

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